

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 06-014490

(43)Date of publication of application : 21.01.1994

(51)Int.Cl.

H02K 5/10  
H02K 5/173

(21)Application number : 04-163251

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(22)Date of filing : 23.06.1992

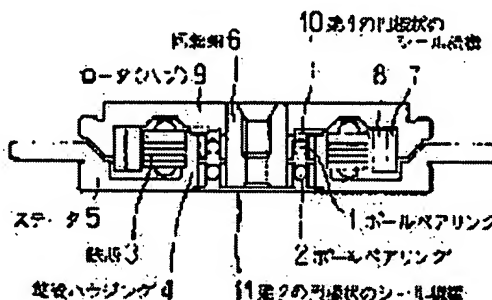
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## (54) SPINDLE MOTOR

### (57)Abstract:

**PURPOSE:** To provide a thin-type spindle motor very much suitable for a hard disc drive which has no leakage of grease and no generation of dust by incorporating no sealing mechanism into both end faces of each ball bearing and by fastening on an inner face of a bearing housing a disc-type sealing mechanism which has the same shielding effect as the sealing mechanism of the ball bearings.

**CONSTITUTION:** In a spindle motor which has a bearing housing 4, ball bearings 1, 2, an outer ring of which is fastened to an inner face of the bearing housing, and a rotary shaft to which an inner ring of the ball bearings is fastened, no sealing mechanism is incorporated into both end faces of each ball bearing and a disc-type sealing mechanism 10 which shields one end of the ball bearings is installed with a little space formed between the rotary shaft and the sealing mechanism 10. At the same time, the disc-type sealing mechanism 10 is fastened to an inner face of the bearing housing.



## LEGAL STATUS

[Date of request for examination] 18.06.1999

[Date of sending the examiner's decision of rejection] 26.10.2001

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]